

CENTRE DE GRAVITE, DEMI-ROND  
DEMI-TUBE COUPE PAR 2 PLANS  
PARALLELE SUR L'AXE X. HP48GX.

1/2

998 bytes.

DTGY.

«SOUP PROS

"Cal. GY Demi-rond coupé par 2 pl.  
sur  $X=0$

Cal. GY Demi-tube = 1"

{ " " } INPUT STR → 'F' STO

IF F 0 == THEN

"D?" { " " } INPUT STR → 'A' STO

"H?" { " " } INPUT STR → 'B' STO

"H2?" { " " } INPUT STR → 'C' STO

"GY" 'A/2' → NUM 'A' STO

'ASIN(B/A)' → NUM 'D' STO

'ASIN(C/A)' → NUM 'E' STO

IF D 45 > THEN

'180 - (90 + ACOS(B/A))' → NUM 'D' STO

END

IF E 45 > THEN

'180 - (90 + ACOS(C/A))' → NUM 'E' STO

END

RAD 'A\*(S(D\*1\_0; E\*1\_0; COS(X)^2\*

SIN(X); X) / S(D\*1\_0; E\*1\_0; COS(X)^2;

X) - B' → NUM PROK PROGR TRAC DTGY

END

.../...